



Sheet 1 of

Form PTO-449 Modified List of Patents and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. ISIS-25	Serial No. 566,977
		Applicant Cook et al.	
		Filing Date August 13, 1990	Group 182
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
dc	AA	Arnott et al., <i>Biochemical and Biophysical Research Communication</i> , 47:1504-1510 (1970)	
dc	AB	S. Beaucage et al., <i>Tetrahedron Letters</i> 22:1859-1862 (1981)	
dc	AC	S. Beaucage et al., <i>Journal of American Chemical Society</i> 112:1253-1255 (1990)	
	AD	G. Butke, et al., <i>Nucleic Acid Chemistry</i> , Part 3: 149-152, Townsend, L.B. and Tipson, R.S. eds., (J. Wiley and Sons, New York 1986)	
dc	AE	M. Caruthers, <i>Oligonucleotides: Antisense Inhibitors of Gene Expression</i> , pp 7-24, (J. S. Cohen, ed., CRC Press, Inc. Boca Raton, Florida, 1989)	
dc	AF	Q.Y. Chen and S.W. Wu, <i>Journal of Chemical Society Perkin Transactions</i> 2385-2387 (1989)	
	AG	S. Cladek et al., <i>Journal of Carbohydrates, Nucleosides & Nucleotides</i> 7:63-75 (1980)	
dc	AH	<i>Chemistry and Pharmaceutical Bulletin</i> , 26:2449-2453 (1978) <i>ibid.</i> , 26:240-244 (1978)	
dc	AI	F. De las Heras, et al., <i>Tetrahedron Letters</i> 29:941-944 (1988)	
EXAMINER <i>Deborah Crouch</i>		DATE CONSIDERED <i>5/3/91</i>	

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dc	AJ	F. Eckstein et al., <i>Biochemistry</i> 11:4336 (1972)	
dc	AK	J. J. Fox, et al., <i>Journal of Organic Chemistry</i> , 29:558-564 (1964)	
dc	AL	J. N. Freskos, <i>Nucleosides & Nucleotides</i> 8:1075-1076 (1989)	
dc	AM	M. J. Gait, ed., <i>Oligonucleotide Synthesis: A Practical Approach</i> , (IRL Press, Washington, DC, 1984)	
dc	AN	W. Guschlbauer and K. Jankowski, <i>Nucleic Acids Res.</i> 8:1421 (1980)	
dc	AO	L. W. Hertel, et al., <i>Journal of Organic Chemistry</i> 53:2406-2409 (1988)	
dc	AP	M. Ikehara et al., <i>European Journal of Biochemistry</i> 139:447-450 (1984)	
dc	AQ	M. Ikehara et al., <i>Tetrahedron Letters</i> 42:4073 (1979)	
dc	AR	M. Ikehara et al., <i>Nucleic Acids Research</i> 5:1877 (1978)	
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dc	AS	M. Ikehara et al., <i>Nucleic Acids Res.</i> 5:3315 (1978)	
dc	AT	M. Ikehara et al., <i>Nucleic Acids Res.</i> 4:4249 (1978)	
dc	AU	M. Ikehara et al., <i>Tetrahedron</i> 34:1133-1138 (1978) ibid., 31:1369-1372 (1975)	
dc	AV	M. Ikehara <i>Accounts of Chemical Research</i> , 2:47-53 (1969)	
	AW	M. Ikehara et al., <i>Nucleosides and Nucleotides</i> 2:373-385 (1983)	
dc	AX	M. Ikehara and H. Miki, <i>Chem. Pharm. Bull.</i> 26: 2449-2453 (1978)	
dc	AY	M. Ikehara and J. Imura, <i>Chemical and Pharmaceutical Bulletin</i> 29:1034-1038 and 3281-3285 (1981)	
dc	AZ	Inoue, et al., <i>Nucleic Acids Research</i> 15: 6131-6148 (1987)	
dc	BA	E. T. Jarvi, et al., <i>Nucleosides & Nucleotides</i> 8:1111-1114 (1989)	
EXAMINER		Deborah Crowl	
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dc	BB	R.A.Jones, J. Am. Chem. Soc. 104:1316 (1982)	
dc	BC	L. H. Koole et al., in the Journal of Organic Chemistry 54:1657-1664 (1989)	
	BD	W.T. Markiewicz and M. Wiewiorowski in Nucleic Acid Chemistry, Part 3, pp. 222-231 Townsend, L.B.; Tipson, R.S. eds. (J. Wiley and Sons, New York, 1986)	
dc	BE	P.S. Miller & P.O.P. Ts'O, Anti-Cancer Drug Design, 2:117-128 (1987)	
dc	BF	K. K. Ogilvie, Can J. Chem. 67: 831-839 (1989)	
dc	BG	K. E. B. Parkes and K. Taylor, Tetrahedron Letters 29:2995-2996 (1988)	
dc	BH	R. Ranganathan Tetrahedron Letters, 15:1291-1294 (1977)	
dc	BI	R. K. Robins et al., Journal of American Chemical Society 106:6379 (1984)	
dc	BJ	S. Shibahara et al., Nucleic Acids Research 17:239 (1987)	
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<i>dc</i>	BK	B. S. Sproat, et al., <i>Nucleic Acids Research</i> 17: 3373-3386 (1989)	
<i>dc</i>	BL	B. S. Sproat, et al., <i>Nucleic Acids Research</i> 18:41-49 (1990)	
	BM		
	BN		
	BO		
	BP		
	BQ		
	BR		
	BS		
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U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	AA	4,381,344	1983	Rideout et al.		
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation Yes	No
	AL					
	AM					
	AN					
	AO					
	AP					

EXAMINER <i>Debrah C. C.</i>	DATE CONSIDERED <i>5/3/91</i>
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